

3M 7907 Screen Printable Sheet Polyester Label Material

Category : Polymer , Adhesive

Material Notes:

3M™ Screen Printable Sheet Polyester Label Material 7907 is a durable, high performance material that offers excellent thermal stability, moisture resistance and chemical resistance. This label material utilizes 3M™ Adhesive 350, which is designed to permanently bond to high and low surface energy plastics, textured and contoured surfaces, powder coatings, and slightly oily metals. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-7907-Screen-Printable-Sheet-Polyester-Label-Material.php

Physical Properties	Metric	English	Comments
Thickness	45.7 microns	1.80 mil	Adhesive
	58.4 microns	2.30 mil	Facestock
	170 microns	6.70 mil	Liner

Mechanical Properties	Metric	English	Comments
Peel Strength	0.1424 kN/m	0.8125 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.153 kN/m	0.875 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.2849 kN/m	1.625 pli	Finely Textured Powder Coating, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.29582 kN/m	1.6875 pli	Finely Textured Powder Coating, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.307 kN/m	1.75 pli	HD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.307 kN/m	1.75 pli	Finely Textured Powder Coating, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.31773 kN/m	1.8125 pli	LD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.31773 kN/m	1.8125 pli	Polypropylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.3287 kN/m	1.875 pli	Polypropylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.3287 kN/m	1.875 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
			HD Polyethylene, 90° Peel,

Mechanical Properties	0.351 kN/m Metric	2.00 pli English	Conditioned for 3 days at RT; ASTM D3330
	0.36156 kN/m	2.0625 pli	Polycarbonate 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.36156 kN/m	2.0625 pli	Finely Textured Powder Coating, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.3725 kN/m	2.125 pli	Polypropylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.38347 kN/m	2.1875 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.40538 kN/m	2.3125 pli	HD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.4163 kN/m	2.375 pli	LD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.4163 kN/m	2.375 pli	LD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.4602 kN/m	2.625 pli	Finely Textured Powder Coating, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.4602 kN/m	2.625 pli	HD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.4602 kN/m	2.625 pli	Polypropylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.482 kN/m	2.75 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.49303 kN/m	2.8125 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.5040 kN/m	2.875 pli	HD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.5040 kN/m	2.875 pli	LD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.526 kN/m	3.00 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.526 kN/m	3.00 pli	Smooth Powder Coating, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.53686 kN/m	3.0625 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330

Mechanical Properties	Metric	English	Comments
	0.53686 kN/m	3.0625 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.5478 kN/m	3.125 pli	Smooth Powder Coating, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.55877 kN/m	3.1875 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.614 kN/m	3.50 pli	Stainless Steel, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.62451 kN/m	3.5625 pli	Polycarbonate 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.6355 kN/m	3.625 pli	Smooth Powder Coating, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.657 kN/m	3.75 pli	Smooth Powder Coating, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.66833 kN/m	3.8125 pli	Polycarbonate 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.69024 kN/m	3.9375 pli	Polycarbonate 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.71216 kN/m	4.0625 pli	Polypropylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.71216 kN/m	4.0625 pli	Glass, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.73407 kN/m	4.1875 pli	Polycarbonate 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.745 kN/m	4.25 pli	Polycarbonate 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.745 kN/m	4.25 pli	Polypropylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.7669 kN/m	4.375 pli	Glass, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.79981 kN/m	4.5625 pli	Smooth Powder Coating, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.8108 kN/m	4.625 pli	Polypropylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.82172 kN/m	4.6875 pli	Glass, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
			Smooth Powder Coating, 180° Peel,

Mechanical Properties	0.84363 kN/m Metric	4.8125 pli English	Conditioned for 3 days at RT; ASTM D3330 Comments
	0.84363 kN/m	4.8125 pli	Smooth Powder Coating, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.8546 kN/m	4.875 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.86554 kN/m	4.9375 pli	Stainless Steel, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.86554 kN/m	4.9375 pli	Polypropylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.877 kN/m	5.00 pli	Glass, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.877 kN/m	5.00 pli	Stainless Steel, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.88746 kN/m	5.0625 pli	Polycarbonate 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.90937 kN/m	5.1875 pli	Glass, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.90937 kN/m	5.1875 pli	Smooth Powder Coating, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.90937 kN/m	5.1875 pli	Glass, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.9422 kN/m	5.375 pli	Polycarbonate 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.97511 kN/m	5.5625 pli	Glass, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	1.0189 kN/m	5.8125 pli	Stainless Steel, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	1.030 kN/m	5.875 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	1.05 kN/m	6.00 pli	Glass, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	1.0628 kN/m	6.0625 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	15.8 kN/m	90.0 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at RT; ASTM D3330

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